Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour: \_\_\_\_\_\_\_\_\_\_\_\_

**What is Water?**

**Directions:** Answer the following questions based on your own knowledge.

1. What is the hydrologic cycle?
2. Does water exist in our air? If so, how? If not, why?
3. How do the following relate to water?
   1. Hydrosphere
   2. Atmosphere
   3. Biosphere
   4. Lithosphere
4. What is water made of?
5. In what states can water exist on Earth? How does it get from one of these states to another?
6. What is saline water?
7. What is the difference between freshwater, saltwater, and brackish water?
8. What is distillation and how does it work?
9. What is desalination?
10. How and why is water important to you?
11. How do the following soil components affect the amount of water and the quality of water?
    1. Rocks
    2. Sand
    3. Organic matter
    4. Silt
    5. Clay
12. What is potable water and why is it important?
13. How does too much water affect plants?
14. How does too little water affect plants?
15. Where does our water come from?
16. How do the following conditions affect water availability and plant growth:
    1. 5 days of sun at 75°F
    2. 5 days over 90°F
    3. 5 days of clouds at 50°F
    4. 5 inches of rain in 5 days
    5. ½ inch of rain in 5 days